AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of Claims:

1. (Currently amended) A processor-implemented method of automating an identification and type information configuration for a real-time data feed to a database in a database management system, comprising:

automatically creating, at run time based on the real-time data feed, trigger query statements for the real-time data feed for execution in the database; and

automatically deriving a type information for the real-time data feed from a column the data feed being loaded at run time, without apriori knowledge of the type information prior to the execution of the trigger query statements in the database.

2. (Currently amended) The method of claim 1, wherein the trigger query statements comprise an insert query trigger.

3. (Currently amended) The method of claim 1, wherein the trigger query statements comprise a plurality of update query triggers.

4. (Currently amended) The method of claim 1, wherein the feed is loaded to a database; and further comprising building a data structure for a database query trigger.

5. (Original) The method of claim 4, further comprising converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

6. (Original) The method of claim 5, further comprising extracting a sub-type descriptor from the type descriptor, to automatically find the type of data being loaded by the real-time data feed.

7. (Currently amended) The method of claim 6, further comprising storing the a type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

8. (Original) The method of claim 1, further comprising getting a table name and a column name being populated by the real-time data feed.

9. (Original) The method of claim 4, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

10. (Currently amended) The method of claim 1, further comprising getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which query triggers will be automatically created.

11. (Currently amended) A processor-implemented system for automating an identification and type information configuration for a real-time data feed to a database in a database management system, comprising:

means for automatically creating, at run time based on the real-time data feed, trigger query statements for the real-time data feed for execution in the database; and

means for automatically deriving a type information for the real-time data feed from a column the data feed being loaded at run time, without apriori knowledge of the type information prior to the execution of the trigger query statements in the database.

12. (Currently amended) The system of claim 11, wherein the trigger query statements comprise an insert trigger.

13. (Currently amended) The system of claim 11, wherein the trigger query statements comprise a plurality of update triggers.

14. (Currently amended) The system of claim 11, wherein the feed is loaded to a database; and further comprising means for building a data structure for a database query trigger.

15. (Original) The system of claim 14, further comprising means for converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

16. (Original) The system of claim 15, further comprising means for extracting a sub-type descriptor from the type descriptor, to automatically find

the type of data being loaded by the real-time data feed.

17. (Currently amended) The system of claim 16, further comprising means for storing ~~the~~ a type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

18. (Original) The system of claim 11, further comprising means for getting a table name and a column name being populated by the real-time data feed.

19. (Original) The system of claim 14, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

20. (Currently amended) The system of claim 11, further comprising means for getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which <u>query</u> triggers will be automatically created.

21. (Currently amended) A computer program product having executable instruction codes embedded on a computer-usable medium for automating an identification and type information configuration for a real-time data feed to a database in a database management system, comprising:

a first set of instruction codes for automatically creating, at run time based on the real-time data feed, trigger query statements for the real-time data feed for execution in the database; and

a second set of instruction codes for automatically deriving a type information for the real-time data feed from a column the data feed being loaded at run time, without apriori knowledge of the type information prior to the execution of the trigger query statements in the database.

22. (Currently amended) The computer program product of claim 21, wherein the trigger query statements comprise an insert query trigger.

23. (Currently amended) The computer program product of claim 21, wherein the trigger query statements comprise a plurality of update query triggers.

24. (Currently amended) The computer program product of claim 21, wherein the feed is loaded to a database; and further comprising a third set of instruction codes for building a data structure for a database query trigger.

25. (Original) The computer program product of claim 24, further comprising a fourth set of instruction codes for converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

26. (Original) The computer program product of claim 25, further comprising a fifth set of instruction codes for extracting a sub-type descriptor from the type descriptor, to automatically find the type of data being loaded by the real-time data feed.

27. (Currently amended) The computer program product of claim 26, further comprising a sixth set of instruction codes for storing ~~the~~ a type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

28. (Original) The computer program product of claim 21, further comprising a seventh set of instruction codes for getting a table name and a column name being populated by the real-time data feed.

29. (Original) The computer program product of claim 24, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

30. (Currently amended) The computer program product of claim 21, further comprising an eight set of instruction codes for getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which <u>query</u> triggers will be automatically created.